

SCORE Search Results Details for Application 09961086 and Search Result 20090302_142103_us-09-961-086a-1.ra1.

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This page gives you Search Results detail for the Application 09961086 and Search Result 20090302_142103_us-09-961-086a-1.ra1.

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OM protein - protein search, using sw model

Run on: March 3, 2009, 03:46:14 ; Search time 207 Seconds
(without alignments)
681.331 Million cell updates/sec

Title: US-09-961-086A-1
Perfect score: 3352
Sequence: 1 MSSSNVEVFIPVSQGNTNGF.....MIVIFLTIAYLKLLFLKKYS 655

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1316349 seqs, 215321474 residues

Total number of hits satisfying chosen parameters: 1316349

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /ABSS/Data/CRF/ptodata/1/iaa/5_COMB.pep:*
2: /ABSS/Data/CRF/ptodata/1/iaa/6_COMB.pep:*
3: /ABSS/Data/CRF/ptodata/1/iaa/7_COMB.pep:*
4: /ABSS/Data/CRF/ptodata/1/iaa/H_COMB.pep:*
5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /ABSS/Data/CRF/ptodata/1/iaa/RE_COMB.pep:*
7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,

and is derived by analysis of the total score distribution.

SUMMARIES

Result		%					
No.	Score	Query Match	Length	DB	ID	Description	
1	3352	100.0	655	2	US-09-245-808-1	Sequence 1, Appli	
2	3346	99.8	655	3	US-11-333-542-6	Sequence 6, Appli	
3	3342	99.7	655	3	US-11-333-542-8	Sequence 8, Appli	
4	3331	99.4	655	2	US-09-767-594-1	Sequence 1, Appli	
5	3331	99.4	655	2	US-09-584-586-10	Sequence 10, Appl	
6	3331	99.4	655	3	US-09-856-927-2	Sequence 2, Appli	
7	3331	99.4	655	3	US-11-333-542-7	Sequence 7, Appli	
8	3225	96.2	655	3	US-11-333-542-2	Sequence 2, Appli	
9	3223.5	96.2	654	3	US-11-333-542-5	Sequence 5, Appli	
10	2757	82.2	657	2	US-09-584-586-14	Sequence 14, Appl	
11	835.5	24.9	1049	2	US-09-538-092-72	Sequence 72, Appl	
12	835.5	24.9	1049	3	US-10-369-493-1520	Sequence 1520, Ap	
13	812	24.2	687	3	US-09-619-049-264	Sequence 264, App	
14	795.5	23.7	676	3	US-10-369-493-3799	Sequence 3799, Ap	
15	706.5	21.1	674	2	US-09-538-092-1125	Sequence 1125, Ap	
16	702.5	21.0	663	3	US-10-473-696-6	Sequence 6, Appli	
17	702.5	21.0	663	3	US-11-567-079-6	Sequence 6, Appli	
18	693.5	20.7	652	2	US-09-989-981A-2	Sequence 2, Appli	
19	693.5	20.7	652	3	US-09-837-992-1	Sequence 1, Appli	
20	693.5	20.7	652	3	US-11-128-026-1	Sequence 1, Appli	
21	682.5	20.4	651	2	US-09-989-981A-6	Sequence 6, Appli	
22	682.5	20.4	651	3	US-09-837-992-3	Sequence 3, Appli	
23	682.5	20.4	651	3	US-11-128-026-3	Sequence 3, Appli	
24	677	20.2	559	3	US-10-369-493-5740	Sequence 5740, Ap	
25	664	19.8	608	3	US-10-369-493-5748	Sequence 5748, Ap	
26	658.5	19.6	1095	3	US-10-369-493-2025	Sequence 2025, Ap	
27	657.5	19.6	672	2	US-09-989-981A-4	Sequence 4, Appli	
28	640.5	19.1	673	2	US-09-989-981A-8	Sequence 8, Appli	
29	639	19.1	658	3	US-10-369-493-5347	Sequence 5347, Ap	
30	636.5	19.0	639	3	US-10-369-493-6184	Sequence 6184, Ap	
31	636.5	19.0	695	3	US-10-369-493-6199	Sequence 6199, Ap	
32	627.5	18.7	610	3	US-10-369-493-5687	Sequence 5687, Ap	
33	623	18.6	147	2	US-09-584-586-12	Sequence 12, Appl	
34	623	18.6	147	3	US-09-856-927-4	Sequence 4, Appli	
35	612.5	18.3	1501	2	US-09-487-558B-346	Sequence 346, App	
36	612.5	18.3	1501	3	US-10-369-493-1606	Sequence 1606, Ap	
37	602	18.0	1511	2	US-09-487-558B-250	Sequence 250, App	
38	602	18.0	1511	3	US-10-369-493-22380	Sequence 22380, A	
39	594	17.7	1564	2	US-09-487-558B-244	Sequence 244, App	
40	594	17.7	1564	3	US-10-369-493-22424	Sequence 22424, A	
41	589	17.6	1549	3	US-10-369-493-3919	Sequence 3919, Ap	
42	580.5	17.3	1529	3	US-10-369-493-1692	Sequence 1692, Ap	
43	567	16.9	617	2	US-09-614-912-138	Sequence 138, App	
44	561.5	16.8	1395	3	US-10-369-493-4054	Sequence 4054, Ap	
45	552.5	16.5	611	3	US-10-369-493-12397	Sequence 12397, A	

ALIGNMENTS

RESULT 1

US-09-245-808-1

; Sequence 1, Application US/09245808

; Patent No. 6313277

; GENERAL INFORMATION:

; APPLICANT: Doyle, L. Austin

; APPLICANT: Abruzzo, Lynne V.

; APPLICANT: Ross, Douglas D.

; TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which

; TITLE OF INVENTION: encodes it

```
; FILE REFERENCE: Ross UMb conversion
```

; CURRENT APPLICATION NUMBER: US/09/245,808

; CURRENT FILING DATE: 1999-02-05

; EARLIER APPLICATION NUMBER: 60/073763

; EARLIER FILING DATE: 1998-02-05

; NUMBER OF SEO ID NOS: 7

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; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 1

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; LENGTH: 655
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; TYPE: PRT
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; ORGANISM: Human MCF-7/AdrVp cells

US-09-245-808-1

Query Match 100.0%; Score 3352; DB 2; Length 655;

Best Local Similarity 100.0%; Pred. No. 0;

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Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Db 1 MSSSNVEVFIPVSOGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

[illegible]

Db 61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy 121 SGYVVQDDVVMGTLTVRENLQFSAALRLATMTNHEKNERINRVIQELGLDKVADSKVGT 180

Db 121 SGYVVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy 181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLLKRM SKQGR TII F 240

Db 181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy 241 SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Db 241 SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

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Db	301	DSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMIMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVFMIMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 2
US-11-333-542-6
; Sequence 6, Application US/11333542
; Patent No. 7465788
; GENERAL INFORMATION:
; APPLICANT: TAKEBE, NAKO
; TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
; FILE REFERENCE: UNIMD-0016
; CURRENT APPLICATION NUMBER: US/11/333,542
; CURRENT FILING DATE: 2006-01-18
; PRIOR APPLICATION NUMBER: 60/644,706
; PRIOR FILING DATE: 2005-01-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-333-542-6

Query Match 99.8%; Score 3346; DB 3; Length 655;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
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Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Db	541	MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 3
US-11-333-542-8
; Sequence 8, Application US/11333542
; Patent No. 7465788
; GENERAL INFORMATION:
; APPLICANT: TAKEBE, NAKO
; TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
; FILE REFERENCE: UNIMD-0016
; CURRENT APPLICATION NUMBER: US/11/333,542
; CURRENT FILING DATE: 2006-01-18

; PRIOR APPLICATION NUMBER: 60/644,706
; PRIOR FILING DATE: 2005-01-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 8
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-333-542-8

Query Match 99.7%; Score 3342; DB 3; Length 655;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 653; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Db	1	MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
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Db	121	SGYVVQDDVVMGTLTVRENLKFSALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKND	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMIMFSGLLVNLTITIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600

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; Sequence 1, Application US/09767594
; Patent No. 6521635
; GENERAL INFORMATION:
; APPLICANT: Bates, Susan
; APPLICANT: Robey, Robert
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Inhibition of MXR Transport by Acridine Derivatives
; FILE REFERENCE: 015280-402100US
; CURRENT APPLICATION NUMBER: US/09/767,594
; CURRENT FILING DATE: 2001-01-22
; PRIOR APPLICATION NUMBER: US 60/177,410
; PRIOR FILING DATE: 2000-01-20
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human mitoxanthrone resistance (MXR)/BRCP/ABCP
; OTHER INFORMATION: protein
US-09-767-594-1
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Query Match          99.4%;   Score 3331;   DB 2;   Length 655;
Best Local Similarity 99.4%;   Pred. No. 0;
Matches 651;   Conservative 1;   Mismatches 3;   Indels 0;   Gaps 0;
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Db	1	MSSSNVEVFIPVSQGNTNGFPATVSNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIEELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF	240

Db	181	QFIRGVSGGERKRTSIGMELITDPSILSLDEPTTGLDSSSTANAVLLLLKRMASKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 5
US-09-584-586-10
; Sequence 10, Application US/09584586
; Patent No. 6933150
; GENERAL INFORMATION:
; APPLICANT: Sorrentino, Brian
; APPLICANT: Bunting, Kevin
; TITLE OF INVENTION: EXPANSION OF HEMATOPOIETIC STEM CELLS TRANSDUCED WITH
; TITLE OF INVENTION: MDR-1 METHODS OF USE THEREOF
; FILE REFERENCE: 1340-1-021CIP
; CURRENT APPLICATION NUMBER: US/09/584,586
; CURRENT FILING DATE: 2000-05-31
; EARLIER APPLICATION NUMBER: US 60/086,988
; EARLIER FILING DATE: 1998-05-28
; EARLIER APPLICATION NUMBER: PCT/US99/11825
; EARLIER FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 655
; TYPE: PRT

; ORGANISM: Homo sapiens
US-09-584-586-10

Query Match 99.4%; Score 3331; DB 2; Length 655;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 651; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Db	1	MSSSNVEVFIPVSQGNTNGFPATVSNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
		:	
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIEELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILSLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Db	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 6
US-09-856-927-2
; Sequence 2, Application US/09856927
; Patent No. 7138493
; GENERAL INFORMATION:
; APPLICANT: Dean, Michael
; APPLICANT: Allikmets, Rando
; APPLICANT: Bates, Susan E.
; APPLICANT: Fojo, Antonio T.
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: A No. 7138493el ATP-Binding Cassette Protein Responsible for
; TITLE OF INVENTION: Cytotoxin Resistance
; FILE REFERENCE: 015280-382100US
; CURRENT APPLICATION NUMBER: US/09/856,927
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: US 60/110,473
; PRIOR FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: WO PCT/US99/28107
; PRIOR FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-856-927-2

Query Match		99.4%;	Score 3331;	DB 3;	Length 655;		
Best Local Similarity		99.4%;	Pred. No. 0;				
Matches	651;	Conservative	1;	Mismatches	3;	Indels	0; Gaps 0;
Qy	1	MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60				
Db	1	MSSSNVEVFIPVSQGNTNGFPATVSNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60				
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120				
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120				
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180				
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIEELGLDKVADSKVGT	180				
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240				
Db	181	QFIRGVSGGERKRTSIGMELITDPSILSLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240				
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300				
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300				

Qy	301	DSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEK	360
Db	301	DSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLK	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLK	420
Qy	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Db	481	MRMLPSIIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATLL	540
Qy	541	MTICFVFMFIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	541	MTICFVFMFIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 7
US-11-333-542-7
; Sequence 7, Application US/11333542
; Patent No. 7465788
; GENERAL INFORMATION:
; APPLICANT: TAKEBE, NAKO
; TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
; FILE REFERENCE: UNIMD-0016
; CURRENT APPLICATION NUMBER: US/11/333,542
; CURRENT FILING DATE: 2006-01-18
; PRIOR APPLICATION NUMBER: 60/644,706
; PRIOR FILING DATE: 2005-01-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 7
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-333-542-7

Query Match 99.4%; Score 3331; DB 3; Length 655;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 651; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy	1	MSSSNVEVFIPVSQGNNTNGFPATASNDLKAFTGAVLSFHNICYRVKLKSGFLPCRKPVE	60

Db	1	MSSSNVEVFIPVSQGNTNGFPATVSNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
		:	
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIEELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Db	181	QFIRGVSGGERKRTSIGMELITDPSILSLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Db	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Db	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
Qy	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	421	TGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Db	481	MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Db	541	MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN	600
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655

RESULT 8
US-11-333-542-2
; Sequence 2, Application US/11333542
; Patent No. 7465788
; GENERAL INFORMATION:
; APPLICANT: TAKEBE, NAKO
; TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
; FILE REFERENCE: UNIMD-0016
; CURRENT APPLICATION NUMBER: US/11/333,542

```
Query Match          96.2%;   Score 3225;   DB 3;   Length 655;
Best Local Similarity 96.2%;   Pred. No. 0;
Matches 630;   Conservative 7;   Mismatches 18;   Indels 0;   Gaps 0;
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Qy	1	MSSSNVEVFIPVSQGNTNGFPAASNDLKAFTEGAVLSFHNICYRVKCLKSGFLPCRKPVE	60
		: :	
Db	1	MSSSNVEVFIPMSQENTNGFPTTTSNDRKAFTEGAVLSFHNICYRVKVKSGFLPGRKPVE	60
Qy	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN	120
		: :	
Db	61	KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGALRPTNFKCN	120
Qy	121	SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT	180
		: :	
Db	121	SGYVVQDDVVMGTLTVRENLQFSAALRLPTTMTNHEKNERINRVIQELGLDKVADSKVGT	180
Qy	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
		: :	
Db	181	QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIF	240
Qy	241	SIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
		: :	
Db	241	STHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING	300
Qy	301	DSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
		: : : :	
Db	301	DSTAVALNREEDFKATEIIIEPSKRDKPLVEKLAEIYVDSPFYKETKAELHQLSGGEKKKK	360
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
		: :	
Db	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVILGLVIGGIYFGLNDS	420
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
		: :	
Db	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFFGKLLSDLLP	480
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
		: :	
Db	481	MRMLPSIIFTCIVYFMLGLKPTADAFFIMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
Qy	541	MTICFVFMFISGLLVNLTITIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600

US-11-333-542-5

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Query Match          96.2%;   Score 3223.5;   DB 3;   Length 654;
Best Local Similarity 96.5%;   Pred. No. 0;
Matches 632;   Conservative 7;   Mismatches 15;   Indels 1;   Gaps 1;
```

http://es/ScoreAccessWeb/GetItem.action?AppId=099610...2 142103 us-09-961-086a-1.rai&ItemType=4&startByte=0 (14 of 24)3/11/2009 3:07:47 PM

Qy	301	DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK	360
		: :	
Db	301	DSTAVALNREEDFKATEIIEPSKRDKPLVEKLAEIYVDSSFYKETKAELHQLSGGE-KKK	359
Qy	361	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS	420
		:	
Db	360	ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVILGLVIGAIYFGLNNDS	419
Qy	421	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLP	480
Db	420	TGIQNRAGVLFFLTNTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFFGKLLSDLLP	479
Qy	481	MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	540
		:	
Db	480	MRMLPSIIFTCIVYFMLGLKPTADAFFIMMFTLMMVAYSASSMALAIAAGQSVVSVATLL	539
Qy	541	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGN	600
Db	540	MTICFVFMIMFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATVN	599
Qy	601	NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	655
Db	600	NTCNYATCTGEEYLAQKQIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS	654

RESULT 10
US-09-584-586-14
; Sequence 14, Application US/09584586
; Patent No. 6933150
; GENERAL INFORMATION:
; APPLICANT: Sorrentino, Brian
; APPLICANT: Bunting, Kevin
; TITLE OF INVENTION: EXPANSION OF HEMATOPOIETIC STEM CELLS TRANSDUCED WITH
; TITLE OF INVENTION: MDR-1 METHODS OF USE THEREOF
; FILE REFERENCE: 1340-1-021CIP
; CURRENT APPLICATION NUMBER: US/09/584,586
; CURRENT FILING DATE: 2000-05-31
; EARLIER APPLICATION NUMBER: US 60/086,988
; EARLIER FILING DATE: 1998-05-28
; EARLIER APPLICATION NUMBER: PCT/US99/11825
; EARLIER FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 657
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-584-586-14

Query Match 82.2%; Score 2757; DB 2; Length 657;
Best Local Similarity 81.5%; Pred. No. 3.4e-278;
Matches 536; Conservative 51; Mismatches 67; Indels 4; Gaps 3;

```
; APPLICANT: Giot, Loic
```


Query Match 24.9%; Score 835.5; DB 2; Length 1049;
Best Local Similarity 30.5%; Pred. No. 4.7e-77;
Matches 222; Conservative 134; Mismatches 257; Indels 115; Gaps 18;

Qy	1	MSSSNVEVFIPVSQGNNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLSKSGFLPCRKPVE	60
		: : : : : :	
Db	355	LGSSKSPIRLP-DEDAVNNFLQNEDDL-----ATLSFENITYSVPSINS-----DGVE	402
Qy	61	KEILSNINGIMKPG-LNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRP-ANFK	118
		: : : : : : : : :	
Db	403	ETVLNEISGIVKPGQILAIMGGSGAGKTTLLDILAMKRKTGHVSGSIKVNGISMDRKSFS	462
Qy	119	CNSGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKV	178
		: :: : :: : : : : :	
Db	463	KIIGFVDQDDFLLPTLTVFETVLNSALLRLPKALSFEAKKARVYKVLEELRIIDIKDRII	522
Qy	179	GTQFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQ-GRT	237
		: : : : : : : : :	
Db	523	GNEFDRGISGGEKRRVSIACELVTSPVLVFLDEPTSGLDASNANNVIECLVRLSSDYNRT	582
Qy	238	IIFSIHQPRYSIFKLFDLSLTLLASGRMLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDI	297
		:: : : : : : : : : : :	
Db	583	LVLSIHQPRSNIFYLFDKLVLLSKGEMVYSGNAKKVSEFLRNEGYICPDNYNIADYLIDI	642
Qy	298	-----INGDSTAV	305
		:	
Db	643	TFEAGPQGKRRRIRNISDLEAGTDTNDIDNTIHQTTFTSSDGTQREWAHLAAHRDEIRS	702
Qy	306	ALNREEDFKATE----IIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQ-LSGGEKKKK	360
		: : : : : : : : :	
Db	703	LLRDEEDVEGTDGRRGATEIDLNTKLLHDK----YKDSVYYAELSOEIEEVLSSEGDEESN	758

```
Qy      361 IT--VFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKN 418
      :      : | || :: ||| : ||: : ::::| | :| :|: : |
Db      759 VLNGDLPTGQQSAGFLQQLSILNSRSFKNMYRNPKLLLGNYLLTILLSLFLGTLYYNVSN 818

Qy      419 DSTGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDL 478
      | :| ||| |: ||: | | : : : | :|: :|| | : || :|: :|::|::
Db      819 DISGFQNRMGLEFFILTIFYGFVTFITGLSSFALERIIFIKERSNNYYSPRAYYISKIMSEV 878

Qy      479 LPMTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVAT 538
      :|: ::| |: : ||| | || | :||| : |:: | | | : : :
Db      879 VPLRVVPPILLSLIVYPMTGLNMKDNAFFKICIGILILFNLGISLEILTIGIIFEDLNNSI 938

Qy      539 LLMTICFVFMIFSGLLV---NLTTIASWLSWLQYFSIPRYGFTALQHNEF----- 586
      :| : : ::||| : |::| : |::| :|: | : :| ||
Db      939 ILSVLVLLGSLLFSGLFINTKNITNVA--FKYLKNFSVFYYAYESLLINEVKTMLMKERK 996

Qy      587 LGQNF-CPGLNATGNNPCNYATCTGEEYLVKQGI--DLSPWGLWKNHVALACMIVIFLTI 643
      | | || | | | | | : | : | | :|:| :
Db      997 YGLNIEVPG-----ATILSTFGFVVQNLVFDIK-----ILALFNVVFLIM 1036

Qy      644 AYLKLLFL 651
      || | ::
Db      1037 GYLALKWI 1044
```

RESULT 12

US-10-369-493-1520

; Sequence 1520, Application US/10369493

; Patent No. 7314974

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES

; FILE REFERENCE: 38-10(52052)B

; CURRENT APPLICATION NUMBER: US/10/369,493

; CURRENT FILING DATE: 2003-02-28

; PRIOR APPLICATION NUMBER: US 60/360,039

; PRIOR FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 47374

; SEQ ID NO 1520

; LENGTH: 1049

; TYPE: PRT

; ORGANISM: *Saccharomyces cerevisiae*

US-10-369-493-1520

Query Match 24.9%; Score 835.5; DB 3; Length 1049;

Best Local Similarity 30.5%; Pred. No. 4.7e-77;

http://es/ScoreAccessWeb/GetItem.action?AppId=099610...2 142103 us-09-961-086a-1.rai&ItemType=4&startByte=0 (19 of 24)3/11/2009 3:07:47 PM

http://es/ScoreAccessWeb/GetItem.action?AppId=099610...2_142103_us-09-961-086a-1.rai&ItemType=4&startByte=0 (20 of 24)3/11/2009 3:07:47 PM

Qy	179	GTQ-FIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRT	237
		: : : : : : : : : : : :	
Db	233	GVPGRVKGLSGGERKRLAFASEALTDPELLICDEPTSGLDSTAHSVVQVLKKLSQKGKT	292
Qy	238	IIFSIIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDI	297
		: : : : : : : : : : : : :	
Db	293	VILTIHQPSSELFELFDKILLMAEGRVAFGLTPSEAVDFFSYVGAQCPTNYPADFYVQV	352
Qy	298	INGDSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEK	357
		: : : : : : : : : : : : :	
Db	353	L-----AVVPGREIESR-----DRIAKICDNFAISKVAR-DMEQLLATKN	391
Qy	358	KKKITVFKEISYT--TSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFG	415
		: : : : : : : : : : : : : : : : :	
Db	392	LEKPLEQPENGYTYKATWFMQFRAVLWRSWLSVLKEPLLVKVRLIQTTMVAILIGLIFLG	451
Qy	416	LKNDSTGIQNRAGVLFLLTTNQCFSSVSA-VELFVVEKKLFIHEYISGYRVSSYFLGKL	474
		: : : : : : : : : : : : : : : :	
Db	452	QQLTQVGVMNINGAIFLFLTNMTFQNVFATINVFTSELPVFMREARSRLYRCDTYFLGKT	511
Qy	475	LSDLLPMTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVV	534
		: : : : : : : : : : : : : : : : :	
Db	512	IAE-LPLFLTVPPLVFTAIAYPMIGLRAGVLHFFNCLALVTLVANVSTSFGYLISCASSST	570
Qy	535	SVATLLMTICFVFMFMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPG	594
		: : : : : : : : : : : : : : :	
Db	571	SMALSVGPPVVIIPFLLEGGFFLNSGSVPVYLKWL SYLSWFRYANEGLLINQWADVE--PG	628
Qy	595	-LNATGNNPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKL	648
		: : : : : : : : : : : : : : : :	
Db	629	EISCTSSN----TTCPSSGKVILETLNFSAADLPLDYVGLAILIVSFRVLAYLAL	679

RESULT 14
US-10-369-493-3799
; Sequence 3799, Application US/10369493
; Patent No. 7314974
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3799

; LENGTH: 676
; TYPE: PRT
; ORGANISM: Neurospora crassa
US-10-369-493-3799

Query Match 23.7%; Score 795.5; DB 3; Length 676;
Best Local Similarity 31.2%; Pred. No. 3.4e-73;
Matches 199; Conservative 107; Mismatches 218; Indels 113; Gaps 11;

Qy	61	KEILSNINGIMKPG-LNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAP-RPANFK	118
		: : : : :: : : :	
Db	1	KEILSGIQGMAHPGEVTAIMGASGAGKTTFLDILARKNKRQVSGDFYINGEKVSDPEYK	60
Qy	119	CNSGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKV	178
		: : :: : : : : : : :	
Db	61	NAVGFVDQEDTMLPTLTVHETILNSALLRLPKDMTRAAKEQRVIEVEKQLGIYHIRDSLI	120
Qy	179	GTQ--FIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTA-NAVLLLLKRMSKQG	235
		:: : : : : :	
Db	121	GSEEGKGRGISGGEKRRVGIACELVTSPSILFLDEPTSGLDAYNAYNVVECLVTLAKTYK	180
Qy	236	RTIIFSIHQPRYSIFKLFDSLTLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFL	295
		: : : : :: : : : :	
Db	181	RTVIFTIHQPRSNIVALFDRLILLAQGKTVYSGPLHQCEYFDQIGYTCPPGFNIADYLV	240
Qy	296	DI-----INGDSTAVALNREEDFKA-----TEIIEPS-----	322
		: :: : : : ::	
Db	241	DLTMHAGSTSSYDDGTLSDGVSVGPSSTRAVKSIASVSGVSIGDDSLVESSSSSRPNKR	300
Qy	323	-----KQDKPL-----	328
		: ::	
Db	301	RDSVRRRQERELYTRRKQAVDTAASSDAGDEIGGYKLQKQPPVTPLRSTNDDLHDLPLA	360
Qy	329	-----IEKLAEIYVNSSFYKETKAELHQL-----SGGEKKKKITVFKEISYT-----	370
		:: : : :	
Db	361	ATGTDLDVLIESYIHS DIAASTHEEIHQAIAAAVNSNGQNSNGYVADGNI-YTGTMGKGY	419
Qy	371	--TSFCHQLRWVSKRSFKNLLGNPQASIAQIIIVTVVLGLVIGAIYFGLKNDSTGIQNRAG	428
		: : : : : : : : :	
Db	420	ARVGLFRQFVILSQRTWKNLYRNPMMLTHYAIAILLAVFAGYLFYGLTLDIAGFQNR LG	479
Qy	429	VLFFLT TNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLPMTMLPSII	488
		: : ::: : : : : : : : : : :	
Db	480	LFFFVLALFGFSTLTS LGVFSQERLLFVRERANGYYSPTITYFAAKVLFDIVPLRIIPPIL	539
Qy	489	FTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLLMTICFVFM	548
		: : : : : : : : :	
Db	540	LGAI IYPMTGLVADYQRFFVFILVLVLFNLAAA AICLFIGILCKDGGVANLIGSLV MLFS	599
Qy	549	MIFSGLLVNLT TIASWLSWLQYFSIPRYGFTALQHNE	585
		: : : : :	
Db	600	LLFAGLLLNHNAIPAAALWLQWLSIFHYGFEALIVNE	636

RESULT 15

US-09-538-092-1125

; Sequence 1125, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1125
; LENGTH: 674
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P45844
US-09-538-092-1125

Query Match 21.1%; Score 706.5; DB 2; Length 674;
Best Local Similarity 28.4%; Pred. No. 6.8e-64;
Matches 194; Conservative 155; Mismatches 251; Indels 83; Gaps 23;

Qy	3	SSNVEVFIPVSQGNTNGFPATASNDL---KAFT---EGAV-LSFHNICYRVKLKSGFLP	54
		: : : : : :: :	
Db	34	SSNMEA---TETDLLNGHLKKVDNNLTEAQRFSSLPRRAAVNIEFRDLSYSVPEGPWW--	88
Qy	55	CRKPVEKEILSNINGIMKPG-LNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPR	113
		: : : : : :: :: :	
Db	89	-RKKGYKTLLKGISGKFNSGELVAIMGPSGAGKSTLMNILAGYRE-TGMKGAVLINGLPR	146
Qy	114	PAN-FKCSNGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDK	172
		: :: : : : : : : : : ::	
Db	147	DLRCFRKRVSCYIMQDDMLLPHLTVQEAMMVS AHLKLQE--KDEGRREMOVKEILTALGLLS	204
Qy	173	VADSKVGTQFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMS	232
		::: : : : : : : :: : :: : : ::	
Db	205	CANTRTGS-----LSGGQRKRLAIALELVNNPPVMFFDEPTSGLDASACFQVVS LMKGLA	259
Qy	233	KQGRTIIFS IHQPRYSIFKLFD SLTLLASGR LMFHGPAQEALGYFESAGYHCEAYNNPAD	292
		: : : : : : : : : : : :	
Db	260	QGGRSIICTI HQPSAKLFELFDQLYVLSQGQCVRGKVCNLVPYLRDLGLNCPTYHNPAD	319

Qy 293 FFLDIINGDSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKET--KAEL- 349
| : : : : | | : | : : | : | : : | : |
Db 320 FVMEVASG-----EYGDQNSRLVRAVREGMCDSDHKRDLGGDAEVN 360

Qy 350 ----HQLSGGEKK-KKITVFKEISYTTSFCH-----QLRWVSKRSFKNLLGNPQASI 396
| : | | : | : : : : | : | | : | : : : : : :
Db 361 PFLWHRPSEEVKQTKRLKGLRKDSSSMEGCHSFSASCLTQFCILFKRTFLSIMRDSVLTH 420

Qy 397 AQIIVTVVLGLVIGAIYFGLKNDSTGIQNRAGVLFFLTNQCFSVSAVEL-FVVEKKLF 455
: | : : | : | : | : | : : : : | : | : | : |
Db 421 LRITSHIGIGLLIGLLYLIGIGNEAKKVLSNSGFLFFSMLFLMFAALMPTVLTFPLEMGVF 480

Qy 456 IHEYISGYRVSSYFLGKLLSDLLPMTMLPSIIIFTCIVYFMLGLKPKADAFFVMMFTL-M 514
: | : : : : | : : | : | : : : : : | : | : | : |
Db 481 LREHLNYWYSLKAYYLAKTMAD-VPFQIMFPVAYCSIVYWMTS-QPSDAVRFLFAALGT 538

Qy 515 MVAYSASSMALAIAAGQSVVSVATLLMTICFVFMFIFSGLLVNLTTIASWLSWLQYFSIP 574
| : | | : | | : : | : : : : : | : | : : | : |
Db 539 MTSLVAQSLGLLIGAASTSLQVATFVGPVTAIPVLLFSGFFVSFDTIPTYLQWMSYISYV 598

Qy 575 RYGFT-----ALQHNEFLGQNFPCPLNATGNNPCNYATCTGEEYLVKQGIDLSPWGLW 627
| | | | | : | : : : : | : : : : | : | :
Db 599 RYGFEGVILSIYGLDRED-----LHCDIDETCHFQK---SEAILRE-LDVENAKLY 645

Qy 628 KNHVALACMIVIFLTIAYLKLLF 650
: : | : | | | :
Db 646 LDFIVLGIFFISLRLIAFYVRLRY 668

Search completed: March 3, 2009, 03:49:42
Job time : 208 secs

SCORE 3.0